CLAIM AMENDMENTS

Claim 2.

Line 3, after"in" delete "the" and insert -a solvent-.

Claim 5.

Line 3, after "in" delete "the" and insert -a solvent-.

Claim 11.

Line 2, after "claim" delete "1-8" and insert -2,5-.

Line 3, after "added" delete "thereto", and insert -to the electrolyte composition-.

Claim 12.

Delete the entire clain and rewrite the same as Claim 13.

Claim 13.

A lithium-ion electrochemical device comprising a cathode including a lithium compound additive and the fire resistant stable electrolyte of Claim 2.

CLAIMS

Claim 1. (Withdrawn)

A fire resistant electrolyte composition for lithium-ion based electrochemical devices which comprises:

$LiBF_4$ salt in the range of 1.5 to 3 molar concentration in the mixture of ethylene carbonate in the range of 70 to 90% by weight percentage, and gamma-butyrolactone in the range of 10 to 30% by weight percentage.

Claim 2 (Currently Amended).

A fire resistant stable electrolyte composition for lithium-ion based electrochemical devices which comprises:

$LiBF_4$ salt in the range of 1.5 to 3 molar concentration in ~~The~~ a solvent mixture of Ethylene carbonate in the range of 70 to 90% mixture by weight percentage, and propylene carbonate in the range of 10 to 30% by weight percentage.

Claim 3 (Withdrawn).

A fire resistant stable electrolyte composition for lithium-ion based electrochemical devices which comprises:

$LiBF_4$ salt in the range of 1.5 to 3 molar concentration in the mixture of ethylene carbonate in the range of 70 to 90% by weight percentage, and butylene carbonate in the range of 10 to 30% by weight percentage.

Claim 4 (Withdrawn).

A fire resistant stable electrolyte composition for lithium-ion based electrochemical devices which comprises:

Two molar $LiBF_4$ salt concentration in the mixture of ethylene

Carbonate of 80% by weight percentage, and gamma-butyrolactone of 20% by weight percentage.

Claim 5 (Currently Amended)

A fire resistant stable electrolyte composition for lithium-ion based electrochemical devices which compromises:

1.5 molar $LiBF_4$ salt concentration in ~~the~~ a solvent mixture of ethylene carbonate of 80% by weight percentage, and propylene carbonate of 20% by weight percentage.

Claim 6 (Withdrawn).

A fire resistant stable electrolyte composition for lithium-ion batteries and other lithium based electrochemical devices which comprises:

1.5 molar $LiBF_4$ salt concentration in the mixture of 80% by weight percentage, and butylene carbonate of 20% by weight percentage.

Claim 7 (Withdrawn).

A fire resistant electrolyte composition gor lithium-ion based electrochemical devices which comprises a mixture of electrolytes as described in claims 1,2 and 3.

Claim 8 (Withdrawn).

A fire resistant stable electrolyte composition for lithium-ion based electrochemical devices which comprises a mixture of electrolytes as described in claims 4, 5 and 6.

Claim 9 (Withdrawn).

A fire resistant electrolyte composition as described in claims 1 to 8 inclusive for lithium-ion based electrochemical

devices in which said $LiBF_4$ salt is replaced by:

At least one other lithium salt in the range of 1.0 to 2.0 molar concentration.

Claim 10 (Withdrawn).

A fire resistant stable electrolyte composition for lithium-ion based electrochemical devices which comprises:

$LiBF_4$ salt in the range of 1.5 to 3.0 molar concentration in approximately 100% ethylene carbonate.

Claim 11 (Currently Amended).

A fire resistant stable electrolyte composition as described in claims ~~1-8~~ 2,5, inclusive to which $LiBF_4$ salt has at least one other lithium salt added ~~thereto~~ to the electrolyte composition in the range of 0.5 M to 1.5 M.

Claim 12 (Cancelled).

Claim 13 (New).

A lithium-ion electrochemical device comprising a cathode including a lithium compound additive and the fire resistant stable electrolyte of claim 2.